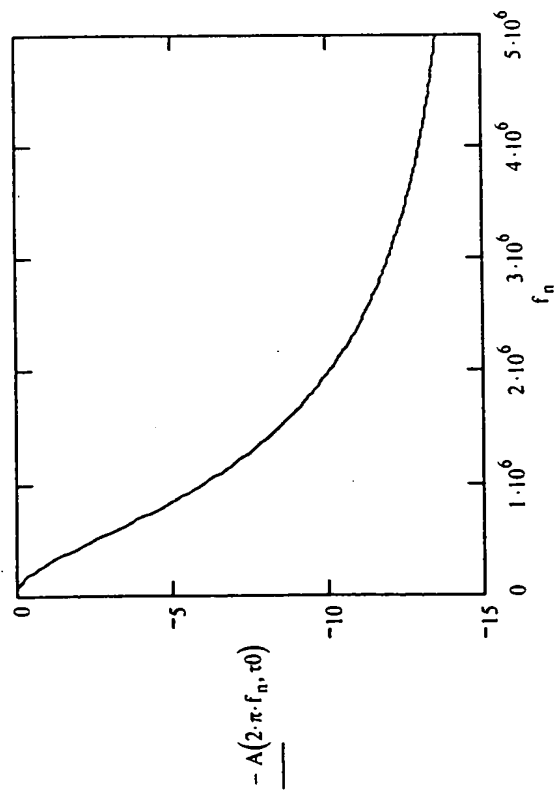$$\tau0 := 245 \cdot 10^{-9} \quad \text{seconds} \qquad a := 4.5$$

$$A(\omega,\tau) := 10 \cdot \log \left[\frac{1 + \left[\left(1 + \frac{1}{a} \right) \cdot \omega \cdot \tau \right]^2}{1 + \left(\frac{1}{a} \cdot \omega \cdot \tau \right)^2} \right]$$
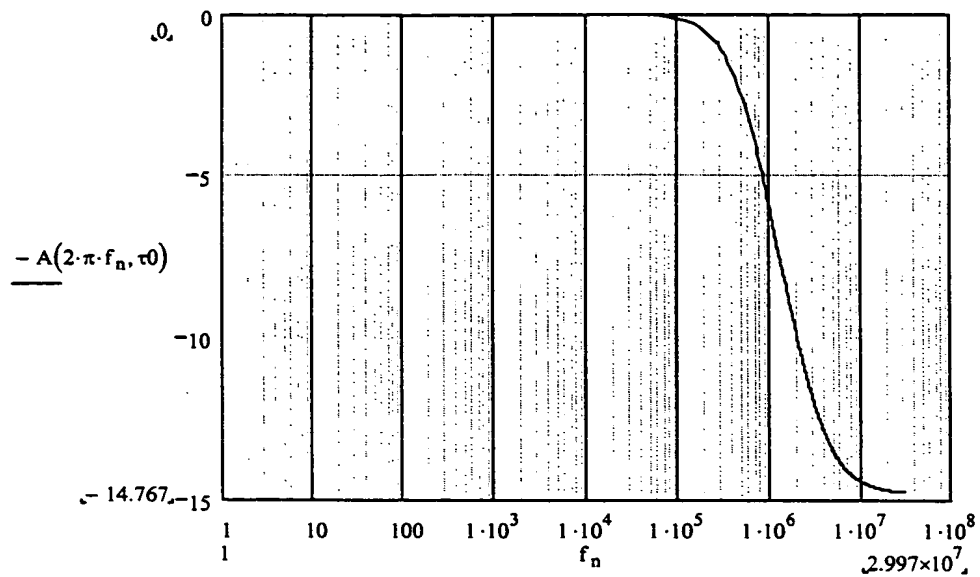

FIG. 1

(Rec. 567-2 Fig. 22 inverted)

0

-5

$\underline{-A(2\cdot\pi\cdot f_n, \tau 0)}$

-10

-14.767 -15

1 10 100 $1\cdot10^3$ $1\cdot10^4$ $1\cdot10^5$ $1\cdot10^6$ $1\cdot10^7$ $1\cdot10^8$

1 f_n 2.997×10^7

FIG. 2A

Unified weighting characteristic   for NTSC

0

-5

$\underline{-A(2\cdot\pi\cdot f_n, \tau HD1)}$

-10

-14.641 -15

1 10 100 $1\cdot10^3$ $1\cdot10^4$ $1\cdot10^5$ $1\cdot10^6$ $1\cdot10^7$ $1\cdot10^8$
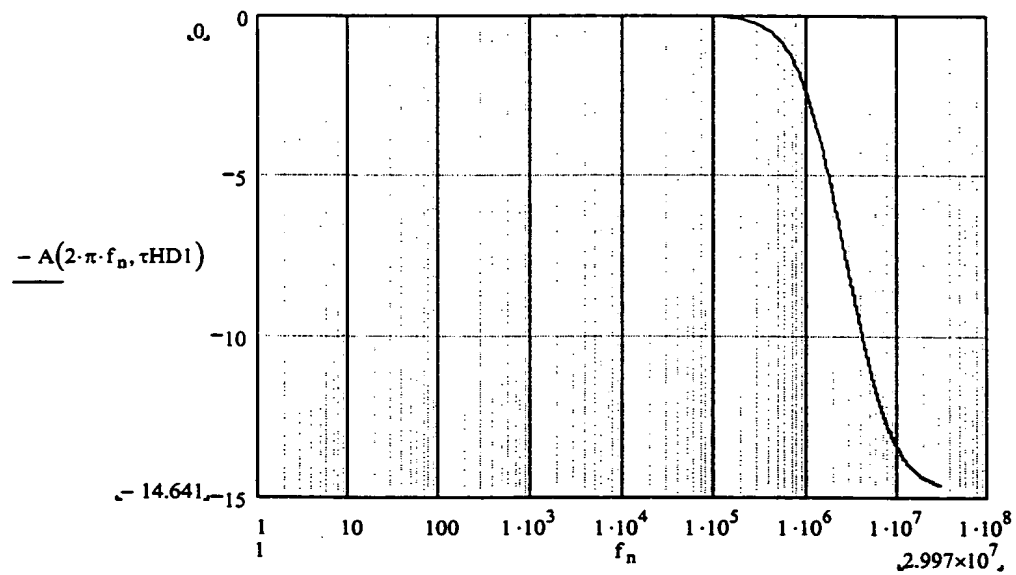
1 f_n 2.997×10^7

FIG. 2B

Unified weighting characteristic   rescaled for HDTV